

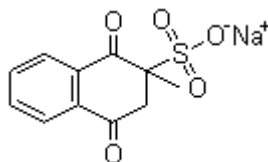
Vitamin K3 MNB (Menadione Nicotinamide Bisulfite)

CAS No.: 73581-79-0

Molecular Weight: 376

Molecular Formula: $C_{11}H_{10}O_5S.C_6H_6N_2O$

Structural Formula:



Property:

The melting point of Vitamin K3 is 105-108 °C. Vitamin K3 is insoluble in the water. Menadione is a polycyclic aromatic ketone, based on 1,4-naphthoquinone with a 2-methyl substituent. Menadione is sometimes called Vitamin K3, although derivatives of Naphthoquinone without the side chain in the 3-position cannot exert all the functions of the K vitamins. Menadione is a vitamin precursor of K2 which utilizes alkylation to yield menaquinones, and hence, is better classified as a provitamin. Water solubility INSOLUBLE

Specification:

Description	White or yellowish crystalline powder
Menadione content	43.7%min.
Water Content	1.0%max
Nicotinamide	31.2% min.
Heavy metals(as Pb)	0.002% Max.
Arsenic	0.0005% max
Solution color	No.4 yellow and green standard colorimetric solution

Usage:

Vitamin K3 in animal liver, involved in the synthesis of thrombin, has a unique role in hemostasis. However, Vitamin K3 also can prevent animal physical weakness and subcutaneous bleeding.

Packing and Storage:

Vitamin K3 is packed in 25KG carton and should be stored in cool place.

Shelf life:

2 years in original packages under the described conditions.

Keyword:

Vitamin K3 MNB, Menadione Nicotinamide Bisulfite